State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-21-45 Relating to Certification of New Heavy-Duty Motor Vehicle Engines

CUMMINS ENGINE COMPANY, INC.

Pursuant to the authority vested in the Air Resources Board by Sections 43100. 43102, and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That the following Cummins Engine Company, Inc. 1987 model-year diesel engines have shown compliance with the transient test procedures and standards and are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GYWR) over 8,500 pounds:

Engine Family	Displacement Engine Family Cubic Inches (Liters)		Exhaust Emission Control Systems (Special Features)	
HCE0855FPA9 · 855 (14.0) (093E)		Smoke Puff Limiter (Diesel Injection - Direct) (Turbocharger) (Intercooler)		

Engine models and codes are listed on attachments.

The following are the certification emission values for these engine families:

Hydrocarbons	Nitrogen Oxides	Particulates	
gm/bhp-hr	gm/bhp-hr	gm/bhp-hr	
0.7	4.5	0.5	

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order.

Executed at El Monte, California this ______ day of May, 1987.

K. D. Drachand, Chief Mobile Source Division

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1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY DIESEL ENGINES

Manufacturer Cummins Engine Company, Inc. Engine Family (HCE0855FPA9)						
Litre (CID) 14.0 (855) Eng. Type Inline 6						
Emission	Control Sys. a	nd (Special Fe	atures)	AFC w/ASA (Turt	ocharged, D	ID) (IC)
Engine Model	! Fuel! Injection! Pump! Mfr! Part Number!!	! ! ! Injector ! Mfr. ! Part Number !	! ! ! Maximum ! Rate HP ! at RPM	Fuel Rate mm3/stroke (lbs/Hr)	! ! Maximum ! Rated ! Torque ! ! at RPM !	Fuel Rate mm3/stroke (lbs/Hr)
NTC-350 CPL 0840	! Cummins ! 3037216 ! 3034873 ! 3034874	Cummins 3052631 3059424	350 @ 1800! 350 @ 2100!		! !1200 @1300! !1300 @1300! !	221 (97) 221 (97)
NTC-315 CPL 0838	Same !	Same !	315 @ 1700! ! !	178 (103)	! !1150 @1300! !	208 (91)
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